DEPARTMENT OF TRANSPORTATION U.S. COAST GUARD CG-3303C-11 (Rev. 08-01)

RECORD OF PERFORMANCE QUALIFICATIONS FT

INSTRUCTIONS

Record of Performance Qualifications shall be completed for enlisted personnel of the Coast Guard and Coast Guard Reserve as outlined in the Enlisted Qualifications Manual (COMDTINST M1414.8, series). As proficiency in each performance qualification is demonstrated, the DATE and INITIALS column shall be completed. Personnel are required to demonstrate proficiency in all new qualifications assigned to their rating. Qualifications previously demonstrated, dated and initialed off will not need to be recertified.

RATING			ABBREVIATION
FIRE CONTROL TECHNICIAN			
THE CONTROL TECHNICIAN	Effective for the 100 v 2002 b	, , , <u>.</u>	ECD
			FT
DATE COMPLETED ALL DEDECOMANCE	DUALIFICATIONS FOR RATE LEVEL		
DATE COMPLETED ALL PERFORMANCE OF	QUALIFICATIONS FOR RATE LEVEL		
E-4	E-5	E	- 6
E-7	E-8	E	- 9
NAME (Last, First, Middle Initial)			SOCIAL SECURITY NUMBER
,			

SIGNATURE OF SUPERVISOR					
DATE	NAME/SIGNATURE	INITIALS	RATE	UNIT	
REMARKS					

CG-3303C-11 (Rev.08 -01) (Effective for the NOV 2002 SWE). RATING: FIRE CONTROL TECHNICIAN	INIT	DATE
	IINI I	DATE
PERFORMANCE QUALIFICATIONS FOR ADVANCEMENT		
A. SAFETY		
4.01 PERFORM the following.		
a. Remove an electric shock victim from an energized electronics circuit IAW Electronics Manual COMDTINST M10550.25 (series). Chapter 2,		
 paragraph b.7. b. Resuscitate an unconscious person IAW Syllabus of First Aid and Health Lesson Plans COMDTINST M6000.3 (series) and Healthcare Provider's Handbook for Basic Life Support, American Heart Association, ISBN 0-87493-602-0. 		
c. Cardiopulmonary Resuscitation IAW Syllabus of First Aid and Health Lesson Plans COMDTINST M6000.3 (series) and Healthcare Provider's Handbook for Basic Life Support, American Heart Association, ISBN 0-87493-602-0.		
d. First aid treatment for electrical burns IAW Syllabus of First Aid and Health Lesson Plans COMDTINST M6000.3 (series) and Healthcare Provider's Handbook for Basic Life Support, American Heart Association, ISBN 0-87493-602-0.		
e. First aid treatment for shock IAW Syllabus of First Aid and Health Lesson Plans COMDTINST M6000.3 (series) and Healthcare Provider's Handbook for Basic Life Support, American Heart Association, ISBN 0-87493-602-0.		
4.02 LOCATE all power supply switches that provide power for securing live equipment in assigned work areas and demonstrate method of securing live equipment in an emergency situation in accordance with applicable technical manuals.		
4.03 DEMONSTRATE safety precautions when working with toxic compounds IAW MSDS, Safety and Occupational Health Manual COMDTINST M5100.29 (series), and NAVSEA S6340-AA-MMA-010.		
5.01 DEMONSTRATE general small arms safety procedures IAW the Ordnance Manual COMDTINST M8000.2 (series).		
5.02 DEMONSTRATE safety precautions while working in or around magazines and ready service lockers IAW Ordnance Manual COMDTINST M8000.2 (series), OP 4 and OP 5.		
5.03 DEMONSTRATE safety precautions with equipment, personnel, and explosive material, in relation to radio frequency (RF) hazards/hazards of electromagnetic radiation to ordnance (HERO) fields IAW OP 3565 and system technical manuals.		
NAME (Last, First, Middle Initial)	SOCIAL	SECURITY NO.

CG-3303C-11 (Rev.08 -01) (Effective for the NOV 2002 SWE). RATING: FIRE CONTROL TECHNICIAN	INIT	DATE
5.04 DEMONSTRATE misfire/hangfire procedures for weapons systems IAW NAVSEA SW300-BC-SAF-010, SW261-CG-SOM-010, and MRCs.		
 INSPECT ordnance areas to ensure the following warning signs are posted IAW Electronics Manual COMDTINST M10550.25 (series) Chapter 2, paragraphs B.3.h., B.3.i, and B.3.j., and EIMB General Handbook NAVSEA SE000-00-EIM-100, section 3-20: a. RF Radiation Hazard Sign b. Danger High Voltage Warning Sign c. CPR Sign d. Electrical Safety Precautions e. Danger Ammo Far Side f. Electronic Safety Precautions g. Train Warning Circle h. Hearing Protection Required i. Toxic Gas j. Misfire/Jammed Gun k. Ammo List Safety Precautions (CIWS Only) l. Yellow Lines outlining portable deck matting with correct stenciling within lines (CIWS Only) m. No Smoking n. Required Operating Instructions 		
5.06 INSPECT ordnance equipment and spaces for safety hazards and devices IAW Ordnance Manual COMDTINST M8000.2 (series), EIMB, system technical manuals, and current directives.		
5.07 TRAIN personnel in safety precautions within the weapons department IAW Ordnance Manual COMDTINST M8000.2 (series), EIMB, systems technical manuals, and current directives.		
B. SYSTEM OPERATION		
4.01 LOAD Mk 92 FCS or C IWS operational program IAW applicable system technical manuals.		
4.02 ENERGIZE the Mk 92 FCS or CIWS IAW system technical manuals. (INTENT: Supervisor will ensure member has performed pre turn-on checks IAW system technical manuals.)		
4.03 OPERATE fire control switchboards in all modes IAW ship's drawings and system technical manuals. (INTENT: Supervisor will ensure member places the switchboard in all modes while verifying external inputs are being supplied to the weapons system.)		
NAME (Last, First, Middle Initial)	SOCIAL S	SECURITY NO.

CG-3303C-11 (Rev.08 -01) (Effective for the NOV 2002 SWE). RATING: FIRE CONTROL TECHNICIAN	INIT	DATE
4.04 Given predetermined, internal/external values, ENTER the values into the weapons system IAW system technical manuals.		
4.05 PERFORM operational/movement checks of the weapons system IAW system technical manuals. (INTENT: Understand weapons system integration.)		
4.06 CALCULATE spot corrections for surface targets IAW Ordnance Manual COMDTINST M8000.2 (series), system technical manuals, and NWIP 50-1.		
4.07 TRACK assigned targets from the controlling station during a simulated firing exercise IAW system technical manuals, NWP 3-20-6.23 (WHEC), NWP 3-20-6.22 (WMEC), and applicable COMTAC series publications.		
4.08 PLACE the weapons system in the appropriate mode of operation for various environmental and tactical conditions IAW system technical manuals.		
5.01 CALCULATE ballistic corrections for installed weapons system IAW Ordnance Manual COMDTINST M8000.2 (series).		
5.02 OPERATE the installed weapons system from all controlling and operational stations using standard commands IAW system technical manuals, Ordnance Manual COMDTINST M8000.2 (series), and COMNAVSURFLANTINST C8000.1/COMNAV PACINST C8000.2 (series).		
5.03 APPLY spot corrections for surface targets IAW Ordnance Manual COMDTINST M8000.2 (series), system technical manuals, and NWIP 50-1.		
5.04 NEUTRALIZE assigned targets from the controlling station during a live firing exercise IAW system technical manuals, and applicable COMTAC series publications. (INTENT: To include proper ammunition selection, threat criteria, and BDA.)		
5.05 EXECUTE prescribed emergency operating procedures to be used during the following conditions as they pertain to the installed weapons systems IAW system technical manuals: a) Loss of ship's main gyro (Mk 92 FCS) b) Loss of KSR-35 (Mk 92 FCS) c) Loss of ASW (CIWS) d) Loss of TWS (Mk 92 FCS) e) Over-temperature conditions (Mk 92 FCS and CIWS)		
NAME (Last, First, Middle Initial)	SOCIAL S	SECURITY NO.

CG-3303C-11 (Rev.08 -01) (Effective for the NOV 2002 SWE). RATING: FIRE CONTROL TECHNICIAN	INIT	DATE
5.06 PLACE the weapon system in the required mode when specific EMCON/HERO conditions are set IAW ship's doctrine.		
5.07 PERFORM prefire and postfire procedures IAW system technical manual Ordnance Manual, COMDTINST M8000.2 (series), and MRCs.	s,	
 5.08 CREATE a DSOT scenario IAW FCS Mk 92 Mod 1 Training Test Scenari User's Manual TM271-S1-COM-020 and Combat Systems Doctrine. To include the following: a. Two maneuvering surface targets with missile launch. b. Two maneuvering air targets with missile launch. c. Clutter d. ECM 	0	
6.01 PREPARE firing plans IAW Ordnance Manual COMDTINST M8000.2 (series) and FXPs 2 & 3.		
6.02 PREPARE a combat systems scenario for General Quarters Condition Of for the Combat Systems Training Team (CSTT) IAW Cutter Training and Qualification Manual COMDTINST M3502.4 (series), FCS Mk 92 Mod 1 Training Test Scenario User's Manual TM271-S1-COM-020, and Combat Systems Doctrine.		
6.03 PERFORM prefire and postfire briefings IAW Ordnance Manual COMDTINST M8000.2 (series) and FXPs 2 & 3.		
6.04 SUPERVISE onload/offload of ammunition IAW Ordnance Manual COMDTINST M8000.2 (series), OP 4, OP 5, SPCCINST 8010.12 (series) and OP 3565 (HERO).),	
6.05 SUPERVISE gunnery exercises IAW Ordnance Manual COMDTINST M8000.2 (series) and COMTAC series publications.		
6.06 TRAIN personnel on tactical employment of shipboard weapons systems IAW NWP 1-10.1, NWP 3-20.6.23 (WHEC), NWP 3-20.6.22 (WMEC), TA Handbook, and current Combat Systems Doctrine.		
7.01 PERFORM the duties of the Weapons Control Officer (WCO) during a live firing exercise IAW COMTAC series publications and Combat Systems Doctrine.	е	
8.01 PLAN onload/offload of ammunition IAW Ordnance Manual COMDTINST M8000.2 (series), OP 4, OP 5, SPCCINST 8010.12 (series), NAVSUP P-724, and OP 3565 (HERO).		
NAME (Last, First, Middle Initial)	SOCIAL	SECURITY NO.

CG-3303C-11 (Rev.08 -01) (Effective for the NOV 2002 SWE).	T	
RATING: FIRE CONTROL TECHNICIAN	INIT	DATE
C. MAINTENANCE		
4.01 PERFORM planned maintenance on the installed weapons systems IAW system technical manuals and MRCs.		
4.02 TROUBLESHOOT the weapons system equipment IAW system technical manuals. (INTENT: With limited supervision, the technician must be able to identify all failure symptoms and follow logical procedures to isolate the faulty assembly or component. The technician must identify the lowest level repairable for the identified failed assembly or component. The technician must identify all tools, test equipment, and supplies required. The technician must complete the process observing all safety and procedural requirements.)		
4.03 PERFORM corrective maintenance on the weapons system equipment IAW system technical manuals. (INTENT: With limited supervision, the technician must be able to repair identified faults to the weapons system equipment. The technician must replace the lowest level repairable for the identified failed assembly or component to include wire wrap and cable connectors. The technician must identify all tools, test equipment, and supplies required. The technician must complete the process observing all safety and procedural requirements.)		
5.01 PERFORM fire control internal alignment to within system tolerances IAW system technical manuals. (INTENT: The technician must be able to electrically and mechanically align internal subassemblies of the weapon control system to ensure proper mechanical and electrical responses.)		
5.02 REPORT the requirement or nonrequirement of a weapons system battery alignment IAW OD46575, SW 225-AO-MMA-010 762, SW 225-CF-CSA-010 or SW 225-CG-CSA-010, and system technical manuals.		
5.03 TROUBLESHOOT the interface with the weapons system and other shipboard equipment IAW ship's drawings and system technical manuals. (INTENT : With limited supervision, the technician must be able to identify all inputs and outputs between the weapons system and external ship's systems and follow logical procedures to isolate the fault.)		
6.01 REPORT the need for maintenance/technical assistance on installed weapons systems IAW Ordnance Manual COMDTINST M8000.2 (series) and MLC SOPs.		
8.01 SCHEDULE a combat systems battery alignment IAW MLC SOPs.		
NAME (Last, First, Middle Initial)	SOCIALS	SECURITY NO.

CG-3303	C-11 (Rev.08 -01) (Effective for the NOV 2002 SWE). G: FIRE CONTROL TECHNICIAN	INIIT	DATE
RATING	5: FIRE CONTROL TECHNICIAN	INIT	DATE
5.08	SUBMIT Technical Manual Deficiency Report System (TMDRS) report IAW system technical manuals.		
5.09	INSPECT ordnance spaces and material for physical security IAW Ordnance Manual COMDTINST M8000.2 (series), COMDTINST M5500 (series), and current security directives.		
5.10	REVIEW the ship's EMCON bill as it applies to installed weapons system for accuracy IAW Cutter Organization Manual, Chapter 3 Section 320 Paragraph 7 COMDTINST M5400.16 (series); ATP 1 (B) Vol 6-7 thru 6-17; NTP 4, Article 03.06.1100: Combat Systems Doctrine; applicable Area Instructions, and Navy OPTASKs.		
6.01	PERFORM the duties of 3M work center supervisor IAW OPNAVINST 4790 (series) and Ordnance Manual COMDTINST M8000.2 (series).		
6.02	VERIFY the accuracy of Fire Control Logs IAW Ordnance Manual COMDTINST M8000.2 (series).		
6.03	EVALUATE the accuracy of ship's pre and postfire checksheets format IAW the Ordnance Manual COMDTINST M8000.2 (series).		
6.04	SUBMIT a Current Ship's Maintenance Project (CSMP) IAW Naval Engineering Manual COMDTINST M9000.6 (series).		
6.05	UPDATE the Ship Configuration and Logistics Support Information System (SCLSIS) report IAW Ordnance Manual COMDTINST M8000.2 (series).		
6.06	REVIEW Fire Control Technician qualification codes for accuracy and currency IAW Coast Guard Enlisted Qualification Codes Manual COMDTINST M1414.9 (series).		
6.07	PREPARE annual divisional budget plans for NAVORD equipment IAW Accounting Manual COMDTINST 7300.4.2 (series).		
7.01	REVIEW ship's Combat Systems Doctrine and COs Battle Orders for accuracy IAW Cutter Class Tactical Manual and instructions.		
7.02	REVIEW current 378' or 270' Tactical Manuals for accuracy IAW the TACMAN. (INTENT : Identify changes, additions and deletions to the TACMAN.)		
8.01	REVIEW Fire Control Technician shipboard training requirements IAW Paperwork Management Manual.		
NARAE	/Look Eirat Middle Initial)	SOCIAL (SECURITY NO.
NAME	(Last, First, Middle Initial)	SOCIAL	SECURIT NO.

CG-3303C-11	(Rev.08 -01) (Effective for the NOV 2002 SWE). E CONTROL TECHNICIAN	INIT	DATE
RATING. FIRE	E CONTROL TECHNICIAN	IINI I	DATE
CO	RIFY the accuracy of submitted ATRs IAW Ordnance Manual MDTINST M8000.2 (series), NAVSUP P-724, and appropriate Area ructions.		
for a	/IEW the Ordnance Publications Index COMDTINST M8000.3 (series) accuracy IAW the OPI. (INTENT: Identify changes, additions, and etions to the OPI.)		
IAW	/IEW the Ordnance Manual COMDTINST M8000.2 (series) for accuracy the ORDMAN. (INTENT: Identify changes, additions, and deletions to ORDMAN.)		
requ Mar	/IEW current Afloat Training Group inspections and training uirements conducted in your area IAW Cutter Training and Qualifications hual COMDTINST M3502.4 (series), Area Instructions, and applicable Afloat Training Handbook Checklist, Chapter 9 (Combat).		
qua COI perf	/IEW E-4 through E-9 Fire Control Technician performance lifications for accuracy IAW Coast Guard Enlisted Qualifications Manual MDTINST M1414.8 (series). (INTENT: Recommended changes to FT formance qualifications are to be submitted to the Fire Control hnician Rating Force Master Chief.)		
E. MODU	JLE TEST AND REPAIR		
	ALUATE a circuit card utilizing the MTR station IAW Coast Guard dule Test and Repair (MTR) Program COMDTINST M4790.2 (series).		
Re	PAIR an electronic assembly IAW Coast Guard Module Test and pair (MTR) Program COMDTINST M4790.2 (series) and SE004-AK-S-010/2M (2M Technical Manual).		
Co	BMIT Module Test Repair Tracking System (MTRTS) reports IAW ast Guard Module Test and Repair (MTR) Program COMDTINST 790.2 (series).		
5.01 VEF	RIFY the 2M Workstation IAW the 2M Certification Plan.		
F. SMAL	L ARMS		
CON (INT	E standard Coast Guard small arms IAW the Ordnance Manual MDTINST M8000.2 (series). FENT: Fire for familiarization: M9 9mm, M16 5.56, and 12GA Riot tgun.)		
NAME (Last,	First, Middle Initial)	SOCIAL S	SECURITY NO.

 5.01 PERFORM the following duties of a weapon's petty officer IAW ship's doctrine and Ordnance Manual COMDTINST M8000.2 (series): a. Activate CG Pyrotechnics. b. Perform ammunition Inventories. c. Inspect CG ammunition and pyrotechnics. d. Stow CG ammunition and pyrotechnics. (INTENT: Perform the duties and responsibilities of a shipboard duty gunner's mate.) 		
GLOSSARY		
ANALYZE : Methodically identify and evaluate the circuits and signals used in ar electronics system to determine the characteristics and specifications of the equipment or system.	ו	
APPLY: To use or assign to a specific purpose as relevant to the application.		
AUDIT : Physically sight and count a random selection of supplies or property and document the results.		
CALCULATE : Determine a value by mathematical methods, reasoning, or practical experience.		
COMPLETE : Follow a process or procedure from initial identification to submission of any required reports or forms.		
CONDUCT : To direct an action or evolution as the leader (supervisor).		
DEMONSTRATE : To show proficiency in accomplishing a task by simulation or actual performance without actual follow through due to safety or efficiency consequences. (Examples: Cardio-Pulmonary Resuscitation)		
DEVELOP : Determine requirements from directives issued by competent authority, establish local requirements, and prepare directive for compliance.		
EVALUATE : Determine the status of an assembly, equipment, or system by comparing the results of tests, inspections, or other measurements to design specifications or established requirements.		
IDENTIFY : To define the elements, purpose, characteristics, and input and output signals of individual electronic circuits and determine their relation to each other and the system as a whole.	1	
NAME (Last, First, Middle Initial)	SOCIAL	SECURITY NO.

RATING: FIRE CONTROL TECHNICIAN	INIT	DATE
INSPECT : Examine, test, measure, or evaluate people, spaces or equipment for installation, operation, and performance in accordance with established standards, specifications, drawings, technical manuals, directives, policies or other requirements.		
INSTALL : Place a new or modified system or equipment and/or software in service in accordance with established procedures, standards, specifications, drawings, directives, and policies.		
LOAD : Transfer a software program from storage media to computer memory.		
MAINTAIN : All activities that serve to increase the mean time between failure (MTBF) and/or decrease the total time inoperative (TTI) of electronic equipment or systems. (See maintenance philosophy considerations in next section.)		
NEUTRALIZE : Deliver ordnance to an identified target until it is no longer a threat.		
OBTAIN : To physically acquire an item from storage, including completion of any required inventory records.		
PERFORM : To begin a task and carry through to completion in accordance with applicable instructions and regulations.		
PREPARE : Plan, gather, and assemble information to produce a document (i.e., forms and schedules.)		
PROCURE: To purchase a required item through an authorized process.		
RECORD : To document required information in a record book, database, or other application for later retrieval and review.		
REPAIR : To return an electronic assembly to operational status by replacing components or conductors.		
REPORT : To gather data and provide information to higher authority in a defined format for an event.		
REVIEW : To examine a document or process for accuracy in content and/or format and report errors or updates to the author or controlling authority.		
SCHEDULE : To develop a plan, based on time, for allocating resources, people and equipment, and scheduling deadline to accomplish assigned tasks.		
NAME (Last, First, Middle Initial)	SOCIAL	SECURITY NO.

CG-3303C-11 (Rev.08 -01) (Effective for the NOV 2002 SWE). RATING: FIRE CONTROL TECHNICIA N	INIT	DATE
SUBMIT : To prepare a report or form following a defined process and forwarding it to the prescribed authority.		
TRACE : To physically identify and follow a conductor or conductor bundle (electron or light) from one termination point to another.		
TRACK : To follow the course or progress of an item. (e.g. a target on a PPI or a project from submission of request to actual project completion.)		
TRAIN : Convey knowledge, demonstrate skills; and measure the transfer of those skills and knowledge using a defined lesson plan and methodology.		
TROUBLESHOOT : To identify a failure at the lowest repairable level in a system or equipment following a logical process.		
UPDATE : Change existing information and records to accurately align them with correct or most recent data.		
VALIDATE: Determine if information contained in records or developed standards is accurate and applicable to current organization.		
VERIFY : To determine the accuracy of recorded information by comparing to physical evidence.		
NAME (Last, First, Middle Initial)	SOCIAL S	SECURITY NO.